

Appendix table 1-22

Participation in and duration of professional development on various topics by public middle and high school mathematics and science teachers during the past 12 months, by minority enrollment and school poverty level: Academic year 2007–08

(Percent)

Teaching field/school characteristic	Participation in professional development activities					Duration of professional development for those who participated in professional development on the topic														
	Content of subject(s) taught	Use of computers for instruction	Student discipline and classroom management	Students with disabilities	LEP students	Content of subject(s) taught			Use of computers for instruction			Student discipline and classroom management			Students with disabilities			LEP students		
						≤8 hours	9–32 hours	≥33 hours	≤8 hours	9–32 hours	≥33 hours	≤8 hours	9–32 hours	≥33 hours	≤8 hours	9–32 hours	≥33 hours	≤8 hours	9–32 hours	≥33 hours
Mathematics	83.1	65.7	45.0	36.8	24.8	20.8	50.9	28.3	57.1	34.5	8.4	68.7	25.7	5.6	64.8	30.4	4.9	59.7	25.8	14.5
Minority enrollment (%)																				
0–5	81.6	63.7	38.1	36.7	4.1	25.4	50.2	24.4	59.7	30.5	9.9	65.3	30.4	4.3	69.4	25.0	5.6	S	S	S
>5–45	81.8	66.4	39.2	35.4	22.6	22.2	51.5	26.4	58.5	34.6	6.9	74.0	22.4	3.6	65.8	31.4	2.9	60.7	21.5	17.8
>45	84.8	65.4	52.1	38.2	31.9	18.5	50.6	31.0	55.2	35.3	9.5	65.5	27.2	7.3	62.8	30.7	6.5	57.8	29.5	12.7
School poverty level (%) ^a																				
0–10	82.7	61.9	34.7	31.3	15.7	23.8	53.4	22.8	56.0	33.8	10.2	66.9	26.2	6.9	68.4	28.0	3.6	54.8	28.4	16.8
>10–50	81.6	66.5	43.5	36.3	26.2	20.3	51.5	28.1	58.5	34.1	7.4	72.5	22.5	5.1	64.0	31.2	4.8	59.8	25.0	15.2
>50	86.6	65.6	53.1	40.3	27.5	20.4	49.1	30.6	55.2	35.6	9.1	63.8	29.9	6.3	64.2	30.2	5.6	60.8	26.3	12.9
Science	77.1	69.0	39.4	39.1	26.0	21.8	49.4	28.8	57.8	34.7	7.5	70.2	25.9	3.9	69.1	23.6	7.3	58.0	28.4	13.6
Minority enrollment (%)																				
0–5	76.4	67.9	29.8	39.6	5.6	20.8	48.8	30.4	56.0	32.6	11.4	74.1	24.0	1.9	68.1	28.9	2.9	S	S	S
>5–45	77.3	70.4	35.8	38.4	24.2	23.6	48.8	27.6	61.3	32.2	6.5	66.5	28.8	4.7	71.1	24.0	4.9	61.5	24.9	13.6
>45	77.2	67.6	46.2	39.9	33.9	20.0	50.3	29.7	54.2	38.2	7.6	72.8	23.7	3.5	67.2	21.7	11.1	54.7	31.9	13.4
School poverty level (%) ^a																				
0–10	71.5	73.0	30.3	38.9	18.8	23.3	42.8	33.9	56.8	36.3	6.8	67.9	25.2	6.9	64.3	27.8	8.0	52.5	26.9	20.6
>10–50	79.5	70.2	36.0	38.6	26.3	21.4	51.3	27.3	58.0	34.5	7.5	70.5	25.1	4.4	70.9	23.6	5.5	58.5	28.5	13.0
>50	75.4	64.1	50.7	39.8	31.1	22.2	48.4	29.5	58.4	33.6	8.0	72.0	26.1	1.9	66.9	22.4	10.7	59.4	29.0	11.6
Other ^b	83.2	67.1	46.2	43.0	25.8	23.0	50.8	26.1	57.1	35.2	7.6	70.9	24.9	4.2	59.3	30.0	10.8	55.2	27.5	17.3
Minority enrollment (%)																				
0–5	78.9	66.4	42.5	42.5	6.1	24.9	46.8	28.4	62.9	29.9	7.3	73.5	23.7	2.8	60.6	28.9	10.5	69.6	21.7	8.7
>5–45	82.8	67.5	43.4	41.9	21.7	23.1	51.3	25.6	55.9	36.5	7.7	71.0	24.6	4.5	60.1	29.3	10.6	59.0	24.4	16.6
>45	84.8	66.8	50.3	44.4	35.5	22.4	51.4	26.2	57.0	35.3	7.7	70.2	25.5	4.2	58.1	30.9	11.0	52.0	29.8	18.2

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(Percent)

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	Content of subject(s) taught	Use of computers for instruction	Student discipline and classroom management	Students with disabilities	LEP students	Content of subject(s) taught			Use of computers for instruction			Student discipline and classroom management			Students with disabilities			LEP students		
						≤8 hours	9–32 hours	≥33 hours	≤8 hours	9–32 hours	≥33 hours	≤8 hours	9–32 hours	≥33 hours	≤8 hours	9–32 hours	≥33 hours	≤8 hours	9–32 hours	≥33 hours
School poverty level (%) ^a																				
0–10	81.9	68.4	37.8	42.2	19.0	26.3	46.4	27.3	56.3	35.6	8.1	74.1	22.2	3.7	61.8	28.2	10.0	55.0	26.5	18.6
>10–50	83.2	66.8	45.3	42.5	24.1	22.6	51.3	26.1	57.8	35.0	7.2	70.9	24.7	4.4	59.9	29.5	10.6	55.2	26.0	18.8
>50	83.9	67.0	53.6	45.0	33.5	22.0	52.3	25.7	56.5	35.6	7.9	69.8	26.4	3.8	57.3	31.0	11.6	55.7	29.8	14.5

S = suppressed (unreliable estimate)

LEP = limited English proficiency

^aSchool poverty level is percentage of students in school qualifying for free/reduced-price lunch.

^bOther teachers include those who teach any subject other than mathematics or science.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2011) of 2007–08 Schools and Staffing Survey, National Center for Education Statistics.

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